

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: David Ashkenasi, et al.	)	Examiner: Chiem, Dinh D.
	)	
Serial No.: 10/520,336	)	Confirmation No.: 2589
	)	
Filing Date: August 22, 2005	)	Group Art Unit: 2883
	)	
For: Microstructuring of an Optical Waveguide for Producing Functional Optical Elements	)	Docket No.: 97353.00158
	)	

Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

Dear Sir:

In response to the outstanding Office Action, please amend the above-identified patent application as follows:

**Listing of Claims:**

1.(currently amended) A method for the microstructuring of an optical waveguide to produce an optical ~~functional element~~ waveguide according to claim 20, comprising the steps of:

providing an optical waveguide comprising a first cross-sectional region having a first refractive index, a second cross-sectional area having a second refractive index, and a boundary region in the transition from the first to the second cross-sectional area,

exposing the optical waveguide to laser radiation in the form of at least an ultra-short single pulse or a sequence of pulses with a defined energy input;

at least one of microdamaging and removing the material from the defined portion of the boundary region with said laser radiation; and